

Abstract

The present invention proves a piezoelectric composite comprising, as main components, a piezoelectric ceramic and a polymer having a bulk density of 0.4g/cm^3 or less, the polymer including bubbles dispersed therein. Therefore, the piezoelectric composite of the present invention has a reduced bulk density, a high coefficient of electromechanical coupling in spite of the piezoelectric ceramic having a low volume ratio, a reduced acoustic impedance and a good processing character.